

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS WELL LOG ELECTRIC LOGS FILE ☒ WATER GAGES DRAIN INSPECTION SURFACE MT JGD

DATE FILED SEPTEMBER 13, 1993

LAND SEC & PATENTED STATE LEASE NO. PLAT & LEASE NO. U-64379 (IND AD)

ORIGINATOR'S DATE SEPTEMBER 20, 1993

SPRINGS IN COMPLETED PUT TO PRODUCTION

WAS PRODUCE

GRAB TEST API

GPR

PRODUCING GAGES

INITIAL DEPTH

WELL ELEVATION

DATE ABANDONED LOCATION ABANDONED PER BLM EFFECTIVE 12-7-95

FILE MONUMENT BUTTE/GREEN RIVER

WATER N/A

CO. DUCHESNE

WELL NO. BALCRON FEDERAL #24-4Y API NO. 43-013-31412

DEPT. 710' FSL FROM 1/2" LINE 2031' FWL FROM 1/2" LINE SE SW 1/4 4

Continued

95	16E	4	EQUITABLE RESOURCES
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EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P O Box 21017
Billings MT 59104

Office (406) 259 7860
FAX (406) 245 1365 IJ
FAX (406) 245 1361 X

September 9, 1993

RECEIVED

SEP 15 1993

DIVISION OF
OIL, GAS & MINING

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Gentlemen:

RE: Balcron Federal #24-4Y
SE SW Section 4, T9S, R16E
Duchesne County, Utah

Enclosed is our Application for Permit to Drill the referenced well.

As operator, we hereby request that the status of this well be held tight for the maximum period allowed by Federal and State regulations.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

CONFIDENTIAL

/rs

Enclosure

cc: Utah Division of Oil, Gas and Mining

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
EQUITABLE RESOURCES ENERGY COMPANY

3 ADDRESS OF OPERATOR

P.O. Box 21017; Billings, MT 59104 (Balcron Oil Division)

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *)

At surface
710' FSL, 2031' FWL SE SW Sec. 4, T9S, R16E
At proposed prod. zone

14 DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

13 SW of Myton, Utah

16 DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT (Also to nearest drilg unit line, if any)

18 DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT

21 ELEVATIONS (Show whether DF, RT, GR, etc)

5,714.34' GL

23 PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
See attached for details.			

EXHIBITS ATTACHED

- "A" PROPOSED DRILLING PROGRAM
- "B" PROPOSED SURFACE USE PROGRAM
- "C" GEOLOGIC PROGNOSIS
- "D" DRILLING PROGRAM/CASING DESIGN
- "E" EVIDENCE OF BOND COVERAGE
- "F" SURVEY PLAT

CONFIDENTIAL
DIVISION OF
OIL, GAS & MINING
"A" REGULATION
"B" BOPE DIAGRAM
"I" EXISTING ROADS (Map A)
"J" PLANNED ACCESS (Map B)
"K" EXISTING WELLS (Map C)
"L" CUT AND FILL DIAGRAM

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24
SIGNED Hobbie Schuman COORDINATOR OF ENVIRONMENTAL AND REGULATORY AFFAIRS
TITLE Hobbie Schuman DATE 9-9-93
(This space for Federal or State office use)

PERMIT NO _____ APPROVAL DATE _____

AFFORDED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL IF ANY

*See Instructions On Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING**CONFIDENTIAL**

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK			4. Lease Designation and Serial No. Federal # U-64379	
1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			6. If Indian, Allottee or Tribe Name n/a	
b. Type of Well Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone <input type="checkbox"/>			7. Unit Agreement Name n/a	
8. Name of Operator Equitable Resources Energy Company, Balcron Oil Division			8. Firm or Lease Name Balcron Federal	
9. Address of Operator P.O. Box 21017; Billings, MT 59104			9. Well No. #24-4Y	
10. Location of Well (Report location clearly and in accordance with any State requirements*) At surface: SE SW Section 4, T9S, R16E 710' FSL, 2031' FWL At proposed prod. zone:			10. Field and Pool, or Wildcat Monument Butte/Green River	
11. Distance in miles and direction from nearest town or post office* 13 miles SW of Myton, UT			11. Sec., T., R., N., or S16, and Survey or Area SE SW Sec. 4, T9S, R16E	
12. Distance from proposed location to nearest property or lease line ft. (Also to nearest drg. line, if any)			12. County or Parish Duchesne	
13. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.			13. State UTAH	
14. Proposed depth XXXXX 6,175'			14. Rotary or cable tools Rotary	
15. Elevations (Show whether DF, RT, GR, etc.) 5,714.34' GL			15. Approx. date work will start* MARCH 1994	
16. PROPOSED CASING AND CEMENTING PROGRAM				
Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
See attached				

Operator plans to drill well in accordance with attached Federal Application for Permit to Drill.

CONFIDENTIAL
RECEIVED

SEP 13 1993

DIVISION OF
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed non-productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

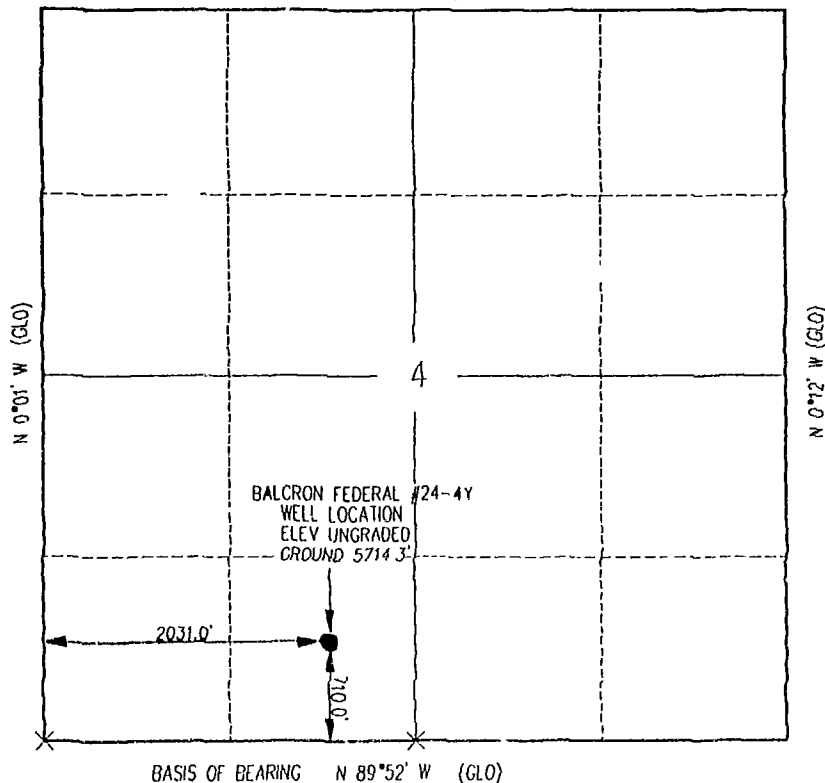
17. I hereby certify that this report is true and complete to the best of my knowledge.		Coordinator of Environmental and Regulatory Affairs	
Signed: <u>Bobbie Schuman</u>	Title: <u>Coordinator of Environmental and Regulatory Affairs</u>	Date: <u>9-9-93</u>	
(This space for Federal or State office use)		APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING	
APR 10: 43 013-31412	Approval Date: <u>9-20-93</u>	DATE: <u>9-20-93</u>	
Approved by: _____	Title: _____	BY: <u>[Signature]</u>	
Conditions of approval, if any:		WELL SPACING: <u>649-3-2</u>	

*See Instructions On Reverse Side

EXHIBIT "F"

T9S, R16E, SLB & M

N 89°57' W (GLO)



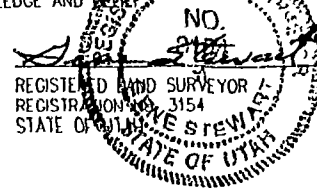
X = SECTION CORNERS LOCATED
BASIS OF BEARINGS, GLO PLAT 1911
BASIS OF ELEV, USGS 7-1/2 min QUAD (MYTON SW)

EQUITABLE RESOURCES ENERGY CO

WELL LOCATION, BALCRON FEDERAL #24-4Y,
LOCATED AS SHOWN IN THE SE 1/4 SW 1/4
OF SECTION 4, T9S, R16E, SLB & M,
DUCHESE COUNTY UTAH

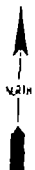
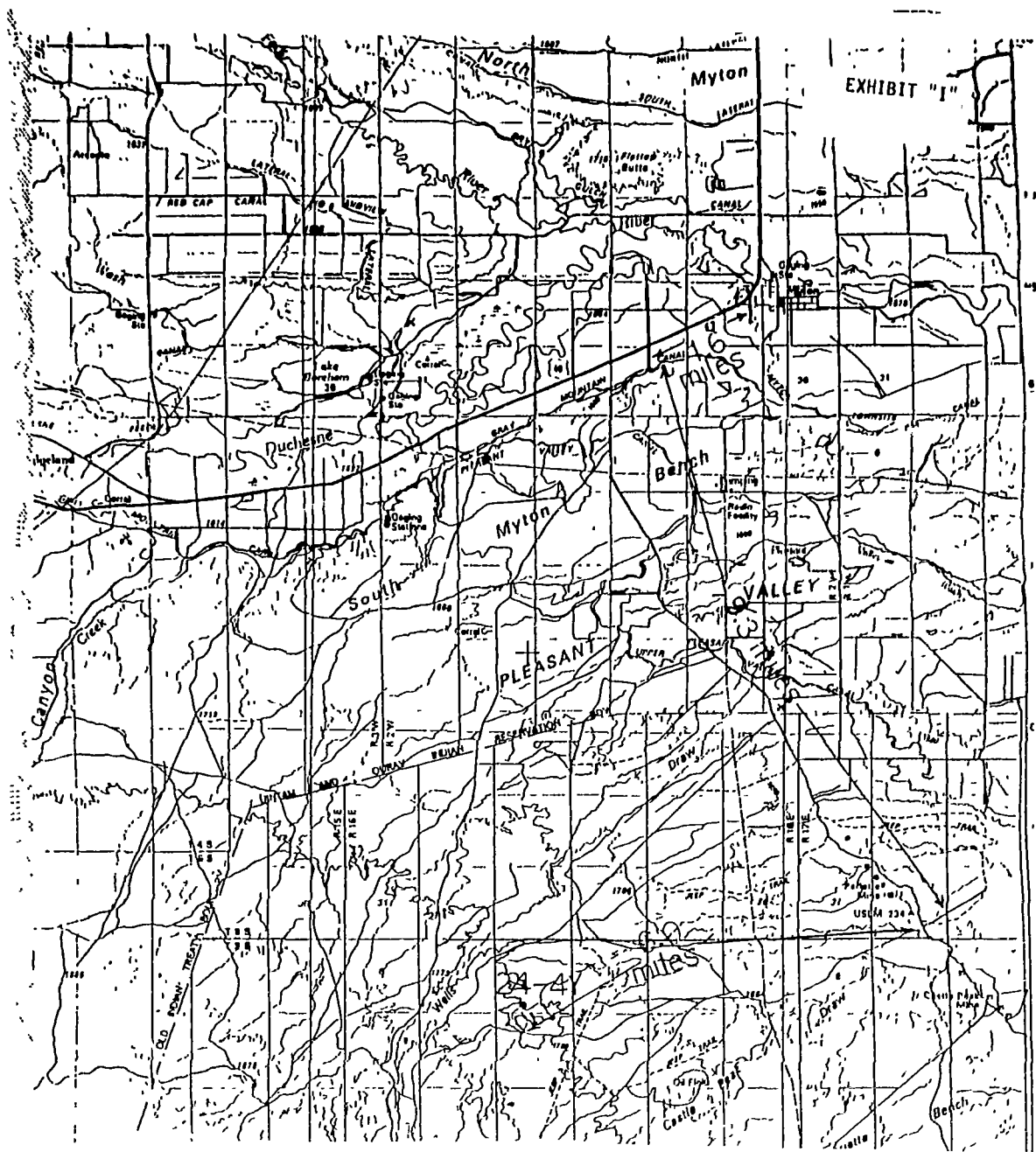


THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION, AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF



WEATHER	CLEAR & HOT
DATE	8/5/93
SCALE	1" = 1000'
SURVEYED BY	GS 20
FILE	24-4Y





EQUITABLE RESOURCES ENERGY CO.

FEDERAL 14-41

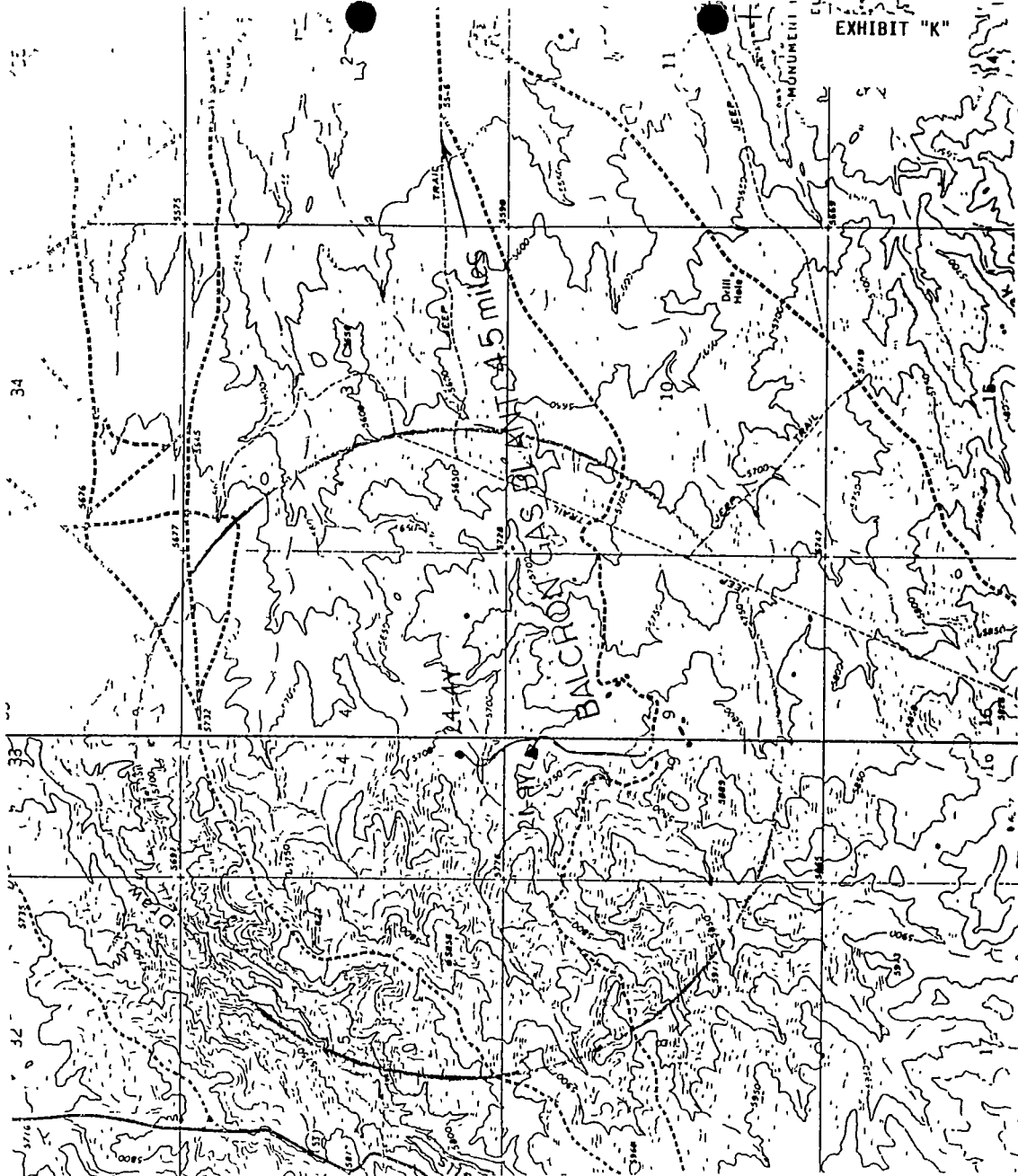
MAP 1



EXHIBIT "J"

EQUITABLE RESOURCES ENERGY CO.
FEDERAL #24-4Y
MAP "B"

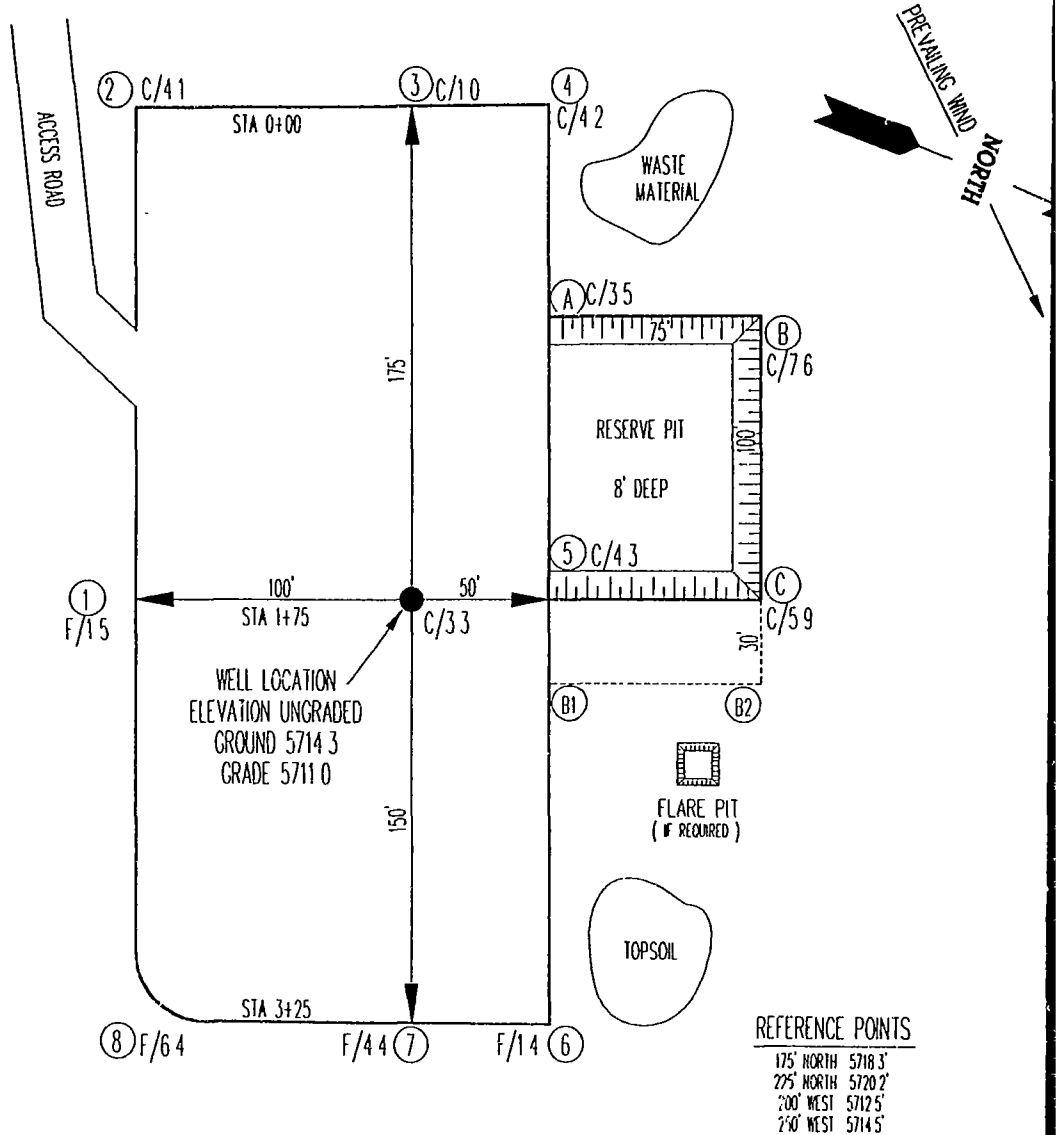
TRI-STATE
LAND SURVEYING INC
14 WEST 100 NORTH, ALBANY, UTAH 84006
801-781-2501

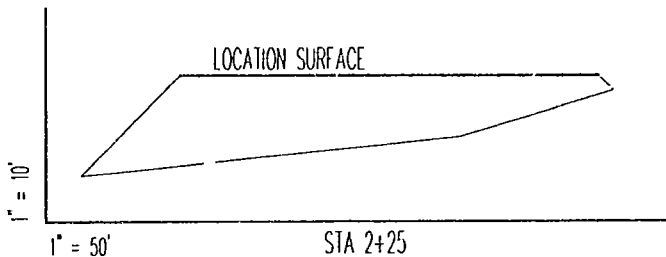
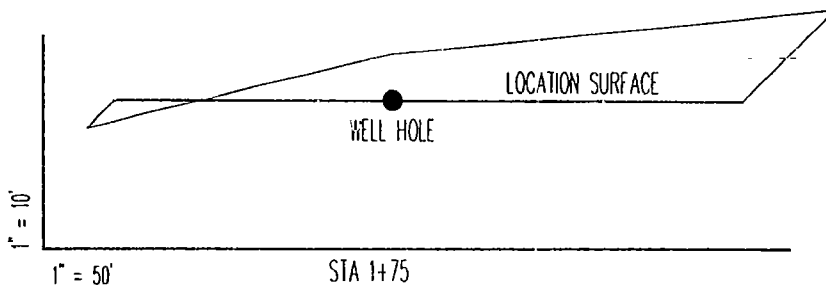
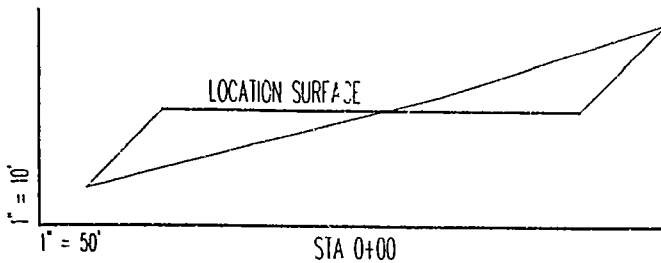


EQUITABLE RESOURCES ENERGY CO.
FEDERAL #24-4Y
MAP

TRI-STATE
LAND SURVEYING INC
28 WEST 100 NORTH, ARAPAHO, UTAH 84012
801-781-2501


EQUITABLE RESOURCES ENERGY CO.
BALCRON FEDERAL #24-4Y





APPROXIMATE YARDAGE

CUT = 2931 Cu Yds
 FILL = 2736 Cu Yds
 PII = 2222 Cu Yds



TRI-STATE
LAND SURVEYING, INC.
 38 WEST 100 NORTH, VERNAL, UTAH 84078
 801-781-2501

EQUITABLE RESOURCES ENERGY COMPANY
Balcron Oil Division
Balcron Federal #24-4Y
SE SW Section 4-T9S-R16E
Duchesne County, Utah

SEP 13 1993
DIVISION OF
OIL, GAS & MINING

In accordance with requirements outlined in 43 CFR 3162-3.1 (d):

1. ESTIMATED IMPORTANT GEOLOGICAL MARKERS:

See Geologic Prognosis (EXHIBIT "C")

2. ESTIMATED DEPTHS OF ANTICIPATED OIL, GAS OR WATER:

See Geologic Prognosis (EXHIBIT "C")

3. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

- a. EXHIBIT "H" is a schematic of the BOP equipment and choke manifold. A 2M system will be used. The BOPE will be installed after setting 8-5/8" casing at 260'. The blind rams and pipe rams will be tested to 1500 psi. Pipe rams will be operationally checked each 24-hour period and blind rams each time pipe is pulled out of the hole.
- b. The BOPE will be tested to 1500 psi when initially installed, whenever any seal subject to test pressure is broken, and following related repairs. The pipe and blind rams will be activated at least weekly and on every trip the pipe and blind rams will be activated.
- c. An accumulator of sufficient capacity to open the hydraulically-controlled choke valve lines (if so equipped), close all rams, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps will be installed during the drilling of this well.
- d. An upper kelly cock will be used during the drilling of this well.
- e. Visual mud monitoring equipment will be used to detect volume changes indicating loss or gain in circulating fluid volume.
- f. Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control.

4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. Surface casing will be set in the Uinta formation to approximately 260' and cemented to surface.
- b. All potentially productive hydrocarbon zones will be isolated.
- c. Casing designs are based on factors of burst: 1.25, collapse: 1.125, and joint strength: 1.8.
- d. All casing strings will be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi whichever is greater (not to exceed 70% of yield).
- E. For details of casing, cement program, drilling fluid program, and proposed mud program, see the following two attachments:

Drilling Program/Casing Design (EXHIBIT "D")
Geologic Prognosis (EXHIBIT "C")

5. HAZARDOUS PRESSURES, TEMPERATURES, FLUIDS/GASSES EXPECTED:

- a. Expected bottom hole temperature is 125 degrees F. Expected bottom hole pressure is 1500 psi.
- b. No abnormal pressures or temperatures have been noted or reported in wells drilled to the Green River formation in this area.
- c. No dangerous levels of hydrogen sulfide, hazardous fluids, or gasses have been found, reported, or known to exist at the depth to be drilled in this well, in this area.

6. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

- a. The drilling operations for this well will begin prior to September 30, 1993.
- b. These drilling operations should be completed within 12 days after spudding the well depending on weather and hole conditions.
- c. If the well is productive, a sundry notice and plat showing exact installed facilities will be submitted.
- d. If this well is non-productive, a sundry notice will be filed with the BLM District Office within 30 days following completion of the well for abandonment.

EXHIBIT "B"

Multi-Point Surface Use and Operations Plan

EQUITABLE RESOURCES ENERGY COMPANY
BALCRON OIL DIVISION
BALCRON FEDERAL #24-4Y
SE SW SECTION 4, T9S, R16E
DUCHESNE COUNTY, UTAH

1. Existing Roads: Refer to Maps "A" & "B"

- A. The proposed well site is staked and four reference stakes are present. 175' & 225' North and 200' & 250' West.
- B. The Federal #24-4Y is located 13 miles Southwest of Myton Utah in the SE1/4 SW1/4 Section 4, T9S, R16E, SLB&M, Duchesne County, Utah. To reach the 24-4Y, proceed West from Myton, Utah along U.S. Highway 40 for 1.6 miles to the junction of this highway and Sand Wash road; Proceed South along the Sand Wash road approximately 10.0 miles to an intersection with the Monnument Butte gas plant road, turn right and continue 3.2 miles to road intersection; turn right and proceed 2.8 miles to road intersection. Turn left and continue 0.3 mile to proposed access road sign. Follow flags 0.25 mile to location.
- C. Access roads - refer to Maps "A" and "B".
- D. Access roads within a one-mile radius - refer to map "B".
- E. The existing roads will be maintained in the same or better condition as existed prior to the commencement of operations and said maintenance will continue until final abandonment and reclamation of the well location.

2. Planned Access Roads: Refer to Map "B" (shown in GREEN)

Approximately 0.25 mile of new road construction will be required for access to the proposed well location.

- A. Width - maximum 30-foot overall right-of-way with an 18-foot road running surface, crowned & ditched and/or sloped and dipped.

- B. Construction standard the access road will be constructed so as to conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. (1989)

The road will be constructed to meet the standards of the anticipated traffic flow and all-weather requirements. Construction will include ditching, draining, crowning, and capping or sloping and dipping the roadbed as necessary to provide a well constructed and safe road. Prior to construction/upgrading, the roadway shall be cleared of any snow cover and allowed to dry completely. Traveling off of the thirty (30) foot right-of-way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossing shall be designed so they will not cause siltation or the accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts.

Upgrading shall not be allowed during muddy conditions.

Should mud holes develop, they shall be filled in and detours around them avoided.

- C. Maximum grade - Less than 8%
- D. Turnouts - no turnouts will be required on this access road.
- E. Drainage design - the access road will be crowned and ditched or sloped and dipped, and water turnouts installed as necessary to provide for proper drainage along the access road route.
- F. Culverts, cuts and fills - no culverts will be required. There are no major cuts and/or fills on/along the proposed access road route.
- G. Surface materials - all construction materials will be native material taken from onsite.
- H. Gates, cattleguards or fence cuts - none required.
- I. Road maintenance - during both the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and

will be maintained in accordance with the original construction standards. All drainage ditches and culverts will be kept clear and free-flowing, and will also be maintained in accordance with the original construction standards. The access road right-of-way will be kept free of trash during operations.

J. The proposed access road has been centerline flagged.

K. If a right-of-way is required please consider this APD the application for said right-of-way.

3. Location of Existing Wells Within a One-Mile Radius:

Please Refer to Map "C"

- A. Water wells - none known.
- B. Abandoned wells - see Map "C"
- C. Temporarily abandoned wells - none known.
- D. Disposal wells - none known.
- E. Drilling wells - none known.
- F. Producing wells - see Map "C".
- G. Shut-in wells - none known.
- H. Injection wells - none known.
- I. Monitoring wells - none known.

4. Location of Existing and/or Proposed Facilities Owned by Equitable Resources Energy Company Within a One-Mile Radius:

A. Existing

- 1. Tank batteries - see Map "C".
- 2. Production facilities - see Map "C".
- 3. Oil gathering lines - none.
- 4. Gas gathering lines - see Map "C".

B. New Facilities Contemplated

- 1. All production facilities will be located on the disturbed portion of the well pad and at a minimum of twenty-five (25) feet from the toe of the backslope or toe of the fill slope
- 2. The production facilities will consist primarily of a pumping unit, Two tanks and an emergency pit. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via "Sundry Notice" (Form 3160-5) for approval of subsequent installation operations.
- 3. Production facilities will be accommodated on the

existing well pad. Construction materials required for installation of the production facilities will be obtained from the site; any additional materials required will be purchased from a local supplier having a permitted (private) source of materials within the area.

A dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks and/or heater treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

4. All permanent (onsite for six months or longer) above the ground structures constructed or installed including pumping units) will be painted Desert Brown. All production facilities will be painted within six (6) months of installation. Facilities required to comply with Occupational Health and Safety Act Rules and Regulations will be excluded from this painting requirement.

- C. The production (emergency) pit will be 12'x12' and will be fenced. Said fence will be maintained in good condition.
- D. During drilling and subsequent operations, all equipment and vehicles will be confined to the access road right-of-way and any additional areas as specified in the approved Application for Permit to Drill.
- E. Reclamation of disturbed areas no longer needed for operation will accomplished by grading, leveling and seeding as recommended by the Bureau of Land Management.

For Pipeline:

- F. Any proposed pipelines will be submitted to the authorized officer Via Sundry Notice for approval of subsequent operations.
- G. Equitable Resources Energy Company shall be responsible for road maintenance from the beginning to completion of operations.

5. Location and Type of Water Supply

- A. Water to be used for the drilling of these wells will be

hauled by truck over the roads described in item #1 and item #2, from a spring owned by Joe Shields, or a well owned by Owen Dale Anderson. To be determined closer to beginning drilling operations.

- B. No water well will be drilled on this location.

6. Source of Construction Materials

- A. No construction materials are needed for drilling operations. In the event of production, the small amount of gravel needed for facilities will be hauled in by truck from a local gravel pit over existing access roads to the area. No special access other than for drilling operations and pipeline construction is needed.
- B. All access roads crossing Federal land are described under item #2, and shown on Map #A.

All construction material for these location sites and access roads shall be borrowed material accumulated during the construction of the location sites and access roads. No additional construction material from other sources is anticipated at this time, if in the future it is required the appropriate actions will be taken to acquire it from private sources.

- C. All surface disturbance area is on B.L.M. lands.
- D. There are no trees on this location.

7. Methods of Handling Waste Materials:

- A. Cuttings - the cuttings will be deposited in the reserve pit.
- B. Drilling fluids - including salts and chemicals will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within ninety (90) days after termination of drilling and completion activities.

In the event adverse weather conditions prevent removal of the fluids from the reserve pit within this time period, an extension may be granted by the Authorized Officer upon receipt of a written request from Equitable Resources Energy Company.

The reserve pit will be constructed so as not to leak, break, or allow discharge. The reserve pit will be lined with a 12 mil plastic reinforced liner.

- C. Produced fluids - liquid hydrocarbons produced during completion operations will be placed in test tanks on the location. Produced waste water will be confined to a lined pit (reserve pit) or storage tank for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with the required water analysis, shall be submitted for the Authorized Officer's approval. Failure to file an application within the time frame allowed will be considered an incidence of noncompliance.

Any spills of oil, gas, salt water or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

- D. Sewage - self-contained, chemical toilets will be provided for human waste disposal. Upon completion of operations, or as needed, the toilet holding tanks will be pumped and the contents thereof disposed of in the nearest, approved, sewage disposal facility.
- E. Garbage and other waste material - garbage, trash and other waste materials will be collected in a portable, self-contained and fully-enclosed trash cage during drilling and completion operations. Upon completion of operations (or as needed) the accumulated trash will be disposed of at an authorized sanitary landfill. No trash will be burned on location or placed in the reserve pit.
- F. Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash cage will be cleaned up and removed from the well location. No adverse materials will be left on the location. Any open pits will be fenced during the drilling operation and the fencing will be maintained until such time as the pits are backfilled.
- G. The reserve and/or production pit will be constructed on the existing location and will not be located in natural drainages where a flood hazard exists or surface runoff will destroy or damage the pit walls. All pits will be constructed so as not to leak, break, or allow the discharge of liquids therefrom.

8. Ancillary Facilities:

None anticipated.

9. Wellsite Layout:

- A. Plat #1 shows the drill site layout as staked. Cross sections have been drafted to visualize the planned cuts and fills across the location. An average minimum of six (6) inches of topsoil will be stripped from the location (including areas of cut, fill, and/or subsoil storage) and stockpiled for future reclamation of the well site. Refer to Figure #1 for the location of the topsoil and subsoil stockpiles. Corner #8 will be rounded to avoid excess fill.
- B. Plat #2 is a diagram showing the rig layout. No permanent living facilities are planned. There will be three (3) trailers on location during drilling operation.
- C. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via Sundry Notice (Form 3160-5) for approval of subsequent operations.
- D. The reserve pit will be constructed so as to be capable of holding 12,000 bbls. of fluid. The flare pit if required will be located downwind of the prevailing wind between corner #5 and corner #6. Access will be from the Southwest between corner #1 and corner #2.

The reserve pit will be lined with a 12 mil plastic liner, it will be torn and perforated after the pit dries and before backfilling of the reserve pit.

- E. Prior to the commencement of drilling operations, the reserve pit will be fenced on three (3) sides using 39-inch net wire with one strand of barbed wire on top of the net wire. The net wire will be no more than two inches above the ground. the barbed wire will be three inches above the net wire. total height of the fence will be at least 42-inches.
 - 1. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
 - 2. Standard steel, wood, or pipe posts shall be used between the corner braces. The maximum distance between any two (2) posts shall be no greater than sixteen (16) feet.
 - 3. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts

The fourth side of the reserve pit will be fenced immediately upon removal of the drilling rig and the

fencing will be maintained until the pit is backfilled.

- F. Any hydrocarbons on the pit will be removed from the pit as soon as possible after drilling operations are completed.

10. Plans for Reclamation of the Surface:

The B.L.M. will be contacted prior to commencement of any reclamation operations.

A. Production

1. Immediately upon well completion, the well location and surrounding area(s) will be cleared of all debris, materials, trash and junk not required for production.
2. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.
3. If a plastic pit liner shall be torn and perforated before backfilling of the reserve pit.
4. Before any dirt work to restore the location takes place, the reserve pit will be completely dry and all cans, barrels, pipe, etc. will be removed.

Other waste and spoil materials will be disposed of immediately upon completion of drilling and workover activities.

5. The reserve pit and that portion of the location and access road not needed for production facilities/operations will be reclaimed within one hundred twenty (120) days from the date of well completion, weather permitting.
6. If the well is a producer, Equitable Resources Energy Company will, upgrade and maintain access roads as necessary to prevent soil erosion, and accommodate year round traffic. Reshape areas unnecessary to operations, distribute topsoil, disk and seed all disturbed areas outside the work area according to the recommended seed mixture. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

If the well is abandoned/dry hole, Equitable Resources Energy Company will, restore the access road and location to approximately the original contours.

During reclamation of the site, push the fill material into cuts and up over the backslope. Leave no depressions that will trap water or form ponds. Distribute topsoil evenly over the location, and seed according to the above seed mixture. The access road and location shall be ripped or dished prior to seeding. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

Seedbed will be prepared by disking, then roller packing following the natural contours. Seed will be drilled on contours at a depth no greater than one-half inch (1/2"). In areas that cannot be drilled, seed will be broadcast at double the seeding rate and harrowed into soil. Certified seed will be used wherever available.

Fall seeding will be completed after September 1 and prior to prolonged ground frost. Spring seeding, to be effective, will be completed after the frost has left the ground and prior to May 15th.

7. Upon completion of backfilling, leveling and recontouring, the stockpiled topsoil will be evenly spread over the reclaimed area(s). Prior to reseeding, all disturbed surfaces will be scarified and left with a rough surface. No depressions will be left that would trap water and form ponds. All disturbed surfaces will be reseeded with the seed mixture recommended by the B.L.M.

Seed will be drilled on the contour to a approximate depth of one-half (1/2) inch. All seeding will be conducted after September 1 and prior to ground frost. Spring seeding will be done after the frost leaves the ground and no later than May 15. If the seeding is unsuccessful, Equitable Resources may be required to make subsequent seedings.

B. Dry Hole/Abandoned Location

1. On lands administered by the Bureau of Land Management, abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include:

(c) ensuring revegetation of the disturbed areas to the specifications of the Bureau of Land Management at the time of abandonment.

2. All disturbed surfaces will be recontoured to the approximate natural contours and reseeded according to BLM specifications. Reclamation of the well pad and access road will be performed as soon as practical after final abandonment and reseeding operations will be performed in the fall or spring following completion of reclamation operations.

11. Surface Ownership:

The well site and proposed access road are situated on surface lands administered by

Bureau of Land Management
Vernal District Office
Vernal, Utah

12. Other Information:

- A. Topographic and geologic features of the area (reference Topographic Map #A) are:

The proposed drill site is located in the Monument Butte oil field, which lies in a large basin formed by the Uinta Mountains to the North and the Bookcliff Mountains to the South. The site is located approximately 15 miles Northwest of the Green River, which is the major drainage for this area, and approximately 13 miles Southwest of Myton Utah.

This basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone, conglomerate deposits and shale are common in this area.

The geologic structures that are visible in the area are of the Uinta formation (Eocene Epoch) tertiary period and the cobblestone and younger alluvial deposits from the Quaternary period.

The soils in the semi-arid area of the Williams Fork Formation (Upper Cretaceous) and Wasatch Formation (Eocene) consist of light brownish gray clay (OL) to sand soil (SM-ML) type with poorly graded gravels.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a sandy clay (SM-ML)

type soil to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of a non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 8".

The flora of the area includes sagebrush, mountain mahogany, serviceberry, rabbit brush, greasewood, four-wing saltbush, Gambel scrub oak, willow, tamarack, shadscale, Spanish bayonet, indian rice grass, cheatgrass, wheatgrass, curly grass, crested wheatgrass, sweet clover, gum weed, foxtail, mustard, Canadian thistle, Russian thistle, Kochia, sunflowers and cacti.

The fauna of the area includes cattle, horses, elk, deer, coyotes, rabbits, rodents, lizards, bull snakes, rattle snakes, water snakes and horned toads. Birds of the area are ground sparrows, bluejays, bluebirds, magpies, ravens, raptors, morning doves, swallows, nighthawks, hummingbirds, and chukar.

- B. The surface ownership is Federal. The surface use is grazing and petroleum production.
- C.
 - 1. The closest live water is the Green River which is approximately 15 miles Southwest of the proposed site.
 - 2. There are no occupied dwellings in the immediate area
 - 3. An archaeological report will be forwarded upon completion.
 - 4. There are no reported restrictions or reservations noted on the oil and gas lease.
 - 5. A silt catchment dam and basin may be required at the BLM's discretion

13. Lessee's or Operator's Representative:

Balcron Oil
a division of Equitable Resources Energy Company
1601 Lewis Avenue
P.O. Box 21017
Billings, Montana 59104
(8:00 a.m. to 5:00 p.m.)
(406)259-7860
FAX: (406)245-1361

Dave McCoskery, Drilling Engineer Home (406)248-3864

Dale Griffin, Home (303)824-3323

14. certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that any statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Balcron Oil, a division of Equitable Resources Energy Company, and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

September 9, 1993
Date

Bobbie Schuman
Bobbie Schuman
Coordinator of Environmental
and Regulatory Affairs
BALCRON OIL division of
Equitable Resources Energy
Company

EXHIBIT "C"

Well Name	BALCRON FEDERAL #24-4-Y		Exploratory		Control Well	CP FED #43-5
Location	SESW SEC 4-T9S-R16E 710 FSL, 2031 TWL		Development	X	Operator	DIAMOND SHIMRK
County	Duchesne		Field	CATTLE PEAK	KB	5796
State	UTAH		Section	SESW SEC 4	Section	NESE SEC 5
Total Depth	6175		Township	9S	Township	9S
GL (Ung)	5714.34	EST. KB 5724	Range	16E	Range	16E

[illegible]

Samples	DST, _s	Wellsite Geologist
50' FROM 1600' TO 4000'	DST #1 NONF	Name _____
10' FROM 4000' TO TD	DST #2 _____	From 1600' to TD
_____	DST #3 _____	Address _____
_____	DST #4 _____	

Logs	Cores	hm
DIL FROM SURF CSG TO TD	Core #1 NONE	Fax #

_____	Core #2 _____	
_____	Core #3 _____	Mud Logger/Hot Wire
_____	Core #4 _____	Company _____

Comments _____

Logger _____
 Phone # _____
 Fax # _____

Report To	1st Name	<u>STLVF VANDFLIN DER</u>	Phone #	(406) 259-7860	wk	(406) 248-2778	hm
	2nd Name	<u>KEVEN REINSCHMIDT</u>	Phone #		wk	(406) 248-7026	hm
Prepared By	KKR	8/16/93	Phone #		wk		hm

Equitable Resources Energy Company
Balcron Oil Division

DRILLING PROGRAM

WELL NAME: Balcron Federal 24-4y PROSPECT/FIELD: Monument Butte
LOCATION: SE SW Sec.4 Twn.9S Rge.16E
COUNTY: Duchesne STATE: Utah

TOTAL DEPTH: 6175

HOLE SIZE INTERVAL

12 1/4" 0 to 260'
7 7/8" 260 to 6175'

CASING	INTERVAL		CASING		
STRING TYPE	FROM	TO	SIZE	WEIGHT	GRADE
Surface Casing	0	260	8 5/8"	24 #/Ft	J-55
Production Casing	0	6175	5 1/2"	15.50#/Ft	J-55
(All Casing will be new, ST&C)					

CEMENT PROGRAM

Surface 150 sacks 75% Class "G" 25% Poz with 2% CaCl and 1/4 #/Sk Flocele.
(Cement will be circulated to surface.)

Production 250 sacks Thifty Lite and 400 sacks 50-50 Poz mix.
(Top of cement will be 2000')

PRELIMINARY
DRILLING FLUID PROGRAM

TYPE	FROM	TO	WEIGHT	PLAS. VIS	YIELD POINT
Air and air mist	0	260	N.A.	N.A.	N.A.
Air/Air Mist/KCl Water	260	T.D.	8.7-8.9	N.A.	N.A.

Drilling will be with air from surface to as deep as hole conditions allow. 2% KCl fluid will be used for the remainder of the hole.

COMMENTS

- 1.) No cores or DST's are planned.

DMM/8/19/93

BALCRON OIL CO.

EXHIBIT "D"
Page 2 of 2

Operator: BALCRON OIL	Well Name: Federal 24-4y
Project ID:	Location: Jonah Unit

Design Parameters:

Mud weight (8.60 ppg) : 0.447 psi/ft
 Shut in surface pressure : 0 psi
 Internal gradient (burst) : 0.447 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using air weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.60 (J)
 Buttress : 1.60 (J)
 Body Yield : 1.50 (B)
 Overpull : 0 lbs.

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost
1	6,175	5-1/2"	15.50	K-55	ST&C	6,175	4.825
	Collapse Load Strgth S.F. (psi) (psi)		Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load Strgth S.F. (kips) (kips)	
1	2759	4040	1.464	2759	4810	1.74	95.71 222 2.32 J

Prepared by : McCoskery, Billings, MT

Date : 08-19-1993

Remarks :

Minimum segment length for the 6,175 foot well is 1,500 feet.

The mud gradient and bottom hole pressures (for burst) are 0.447 psi/ft and 2,759 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with evacuated casing), 1.0 - Burst, 1.6 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser. Costs for this design are based on a 1990 pricing model. (Version 1.06)



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
MONTANA STATE OFFICE
222 NORTH 32ND STREET
P.O. BOX 36800
BILLINGS, MONTANA 59107-6800

LA 11 E
Page 1 of 4



IN REPLY TO:

MTM 12619-A et al
BLM BOND NO. MT0576
(922,31)

April 25, 1989

NOTICE

Equitable Resources Energy Company
P. O. Box 21017
Billings, Montana 59104

OIL AND GAS

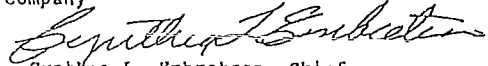
CORPORATE MERGER RECOGNIZED
RIDER TO NATIONWIDE BOND ACCEPTED

Acceptable evidence has been filed in this office concerning the merger of Balcron Oil Company into Equitable Resources Energy Company, the surviving corporation. Information provided shows that Balcron Oil Company merged into Equitable Resources Energy Company, changing the former entity's name to Balcron Oil, a Division of Equitable Resources Energy Company. Please note that Divisions cannot hold leases, therefore, after consultation with Balcron Oil, this office is recognizing only the merger action.

A rider was filed on April 20, 1989, to be made a part of \$150,000 Nationwide Oil and Gas Bond No. 5547188 (BLM Bond No. MT0576) with Balcron Oil Company as principal and Safeco Insurance Company of America as surety. By means of this rider, the surety consents to changing the name on the bond from Balcron Oil Company to Equitable Resources Energy Company. The rider is accepted effective April 20, 1989.

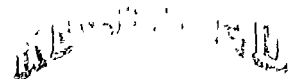
For our purposes, the merger is recognized effective April 20, 1989.

The oil and gas lease files and communitization agreement files identified on the enclosed Exhibit A have been noted as to the merger. Other lease interests will be transferred by assignments from Ballard & Cronoble to Equitable Resources Energy Company.


Cynthia L. Embretson, Chief
Fluids Adjudication Section

1 Enclosure
1-Exhibit A

cc: (w/encl)
AFS, Denver (1)
All DMs (1 ea)
RMO Section (1)
Regional Forester, Lakewood (2)
Regional Forester, Missoula (2)
Bureau of Reclamation (1)



SEP 13 1993

DIVISION OF
OIL, GAS & MINING

FORM 3109-0
(July 1984)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

STATE, NATIONWIDE, OR NATIONAL PETROLEUM RESERVE
IN ALASKA OIL AND GAS BOND

Act of February 25, 1920 (30 U.S.C. Sec. 181)

Act of August 7, 1947 (30 U.S.C. Sec. 351)

Department of the Interior Appropriations Act, Fiscal Year 1981 (P.L. 96-514)

Other Oil and Gas Leasing Authorities as Applicable

KNOW ALL MEN BY THESE PRESENTS, That we
BALCRON OIL COMPANY
of 1601 Lewis Avenue, Billings, MT 59104

as principal, and

SAFECO INSURANCE COMPANY OF AMERICA
of 111 Presidential Blvd, Suite 231, Bala Cynwyd, PA 19004

as surety, are held and firmly bound unto the United States of America in the sum of ONE HUNDRED FIFTY
THOUSAND AND 00/100-----dollars (\$ 150,000.00), in lawful money
of the United States, which sum may be increased or decreased by a rider hereto executed in the same manner as this bond, for
the use and benefit of (1) the United States; (2) the owner of any of the land subject to the coverage of this bond, who has a
statutory right to compensation in connection with a reservation of the oil and gas deposits to the United States, and (3) any
lessee or permittee under a lease or permit issued by the United States prior to the issuance of an oil and gas lease for the
same land subject to this bond, covering the use of the surface or the prospecting for, or development of, other mineral deposits
in any portion of such land, to be paid to the United States. For such payment, well and truly to be made, we bind ourselves,
and each of our heirs, executors, administrators, and successors, jointly and severally

- ☐ The coverage of this bond shall extend to all of the principal's holdings of federal oil and gas leases in the United States,
including Alaska, issued or acquired under the Acts cited in Schedule A
- ☐ The coverage of this bond extends only to the principal's holdings of federal oil and gas leases issued or acquired under
the Acts cited and in the States named in Schedule A and to any other State or States that may be named in a rider attached
hereto by the lessor with the consent of the surety
- ☐ The coverage of this bond extends only to the principal's holdings of federal oil and gas leases within the National Petro-
leum Reserve in Alaska.

SCHEDULE A

Mineral Leasing Act of February 25, 1920 (30 U.S.C. Sec. 181), Acquired Lands Leasing Act of August 7, 1947 (30 U.S.C. Sec. 351), and
other oil and gas leasing authorities as applicable.

NAMES OF STATES

ALL STATES

The conditions of the foregoing obligations are such that,
whereas the said principal has an interest in oil and gas
leases issued under the Acts cited in this bond (1) as
lessee, (2) as the approved holder of operating rights in
all or part of the lands covered by such leases under oper-
ating agreements with the lessees, or (3) as designated oper-
ator or agent under such leases pending approval of an
assignment or operating agreement, and

tract, remove, and dispose of oil and gas deposits in or
under the lands covered by the leases, operating agreements
or designations and is obligated to comply with certain
covenants and agreements set forth in such instruments, and

WHEREAS the principal and surety agree that without notice
to the surety the coverage of this bond, in addition to the
present holdings of the principal, shall extend to and
include

WHEREAS the principal is authorized to drill for, mine, ex-



SURETY RIDER

E BIT "E" Page 3 of 4
SAFECO INSURANCE COMPANY OF AMERICA
GENERAL INSURANCE COMPANY OF AMERICA
FIRST NATIONAL INSURANCE COMPANY
OF AMERICA
HOME OFFICE SAFECO PLAZA
SEATTLE, WASHINGTON 98105

To be attached to and form a part of

Type of Bond Nationwide Oil and Gas Lease Bond

Bond No 5547188 (BLM Bond No. MT0576)

dated effective 9/8/88

(MONTH DAY YEAR)

executed by BALCRON OIL COMPANY

(PRINCIPAL)

, as Principal,

and by SAFECO INSURANCE COMPANY OF AMERICA

(SURETY)

, as Surety,

In favor of UNITED STATES DEPARTMENT OF THE INTERIOR, BUREAU OF LAND

(OBLIGEE) MANAGEMENT

In consideration of the mutual agreements herein contained the Principal and the Surety hereby consent to changing

The name of the Principal

From BALCRON OIL COMPANY

To EQUITABLE RESOURCES ENERGY COMPANY

Nothing herein contained shall vary, alter or extend any provision or condition of this bond except as herein expressly stated

This rider is effective 1/1/89

(MONTH DAY YEAR)

Signed and Sealed 4/10/89

(MONTH DAY YEAR)

EQUITABLE RESOURCES ENERGY COMPANY

PRINCIPAL

By

SAFECO INSURANCE COMPANY OF AMERICA

TITLE

SURETY

By

R. George Voynchet

ATTORNEY IN FACT



OF ATTORNEY

GENERAL INSURANCE COMPANY OF AMERICA
HOME OFFICE: SAFECO PLAZA
SEATTLE, WASHINGTON 98106

EXHIBIT "E" Page 4 of 4
3798

No. _____

KNOW ALL BY THESE PRESENTS:

That SAFECO INSURANCE COMPANY OF AMERICA and GENERAL INSURANCE COMPANY OF AMERICA, each a Washington corporation, does each hereby appoint

-----THOMAS L. VEHAR; R. GEORGE VOINCHET, Pittsburgh, Pennsylvania-----

its true and lawful attorney(s)-in-fact, with full authority to execute on its behalf fidelity and surety bonds or undertakings and other documents of a similar character issued in the course of its business, and to bind the respective company thereby.

IN WITNESS WHEREOF, SAFECO INSURANCE COMPANY OF AMERICA and GENERAL INSURANCE COMPANY OF AMERICA have each executed and attested these presents

this 4th day of September, 19 87.

CERTIFICATE

Extract from the By-Laws of SAFECO INSURANCE COMPANY OF AMERICA
and of GENERAL INSURANCE COMPANY OF AMERICA:

"Article V, Section 13 — FIDELITY AND SURETY BONDS — the President, any Vice President, the Secretary, and any Assistant Vice President appointed for that purpose by the officer in charge of surety operations, shall each have authority to appoint individuals as attorneys-in-fact or under other appropriate titles with authority to execute on behalf of the company fidelity and surety bonds and other documents of similar character issued by the company in the course of its business. . . On any instrument making or evidencing such appointment, the signatures may be affixed by facsimile. On any instrument conferring such authority or on any bond or undertaking of the company, the seal, or a facsimile thereof, may be impressed or affixed or in any other manner reproduced, provided, however, that the seal shall not be necessary to the validity of any such instrument or undertaking

Extract from a Resolution of the Board of Directors of SAFECO INSURANCE COMPANY OF AMERICA
and of GENERAL INSURANCE COMPANY OF AMERICA adopted July 28, 1970

"On any certificate executed by the Secretary or an assistant secretary of the Company setting out,

(i) The provisions of Article V, Section 13 of the By-Laws, and

(ii) A copy of the power-of-attorney appointment, executed pursuant thereto, and

(iii) Certifying that said power-of-attorney appointment is in full force and effect,

the signature of the certifying officer may be by facsimile, and the seal of the Company may be a facsimile thereof"

I, Boh A Dickey, Secretary of SAFECO INSURANCE COMPANY OF AMERICA and of GENERAL INSURANCE COMPANY OF AMERICA, do hereby certify that the foregoing extracts of the By-Laws and of a Resolution of the Board of Directors of these corporations, and of a Power of Attorney issued pursuant thereto, are true and correct, and that both the By-Laws, the Resolution and the Power of Attorney are still in full force and effect

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the facsimile seal of said corporation

this 10th day of April, 19 89

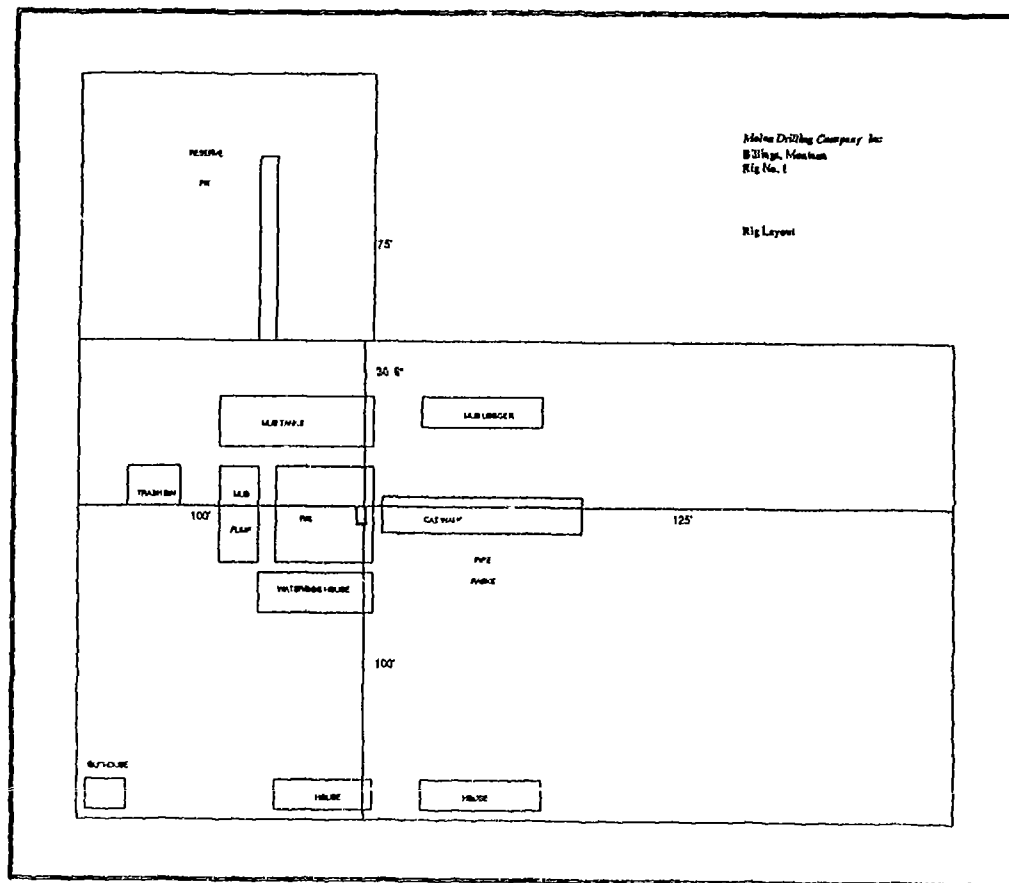
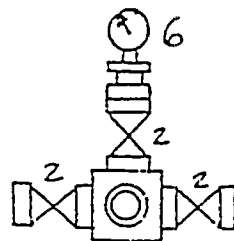
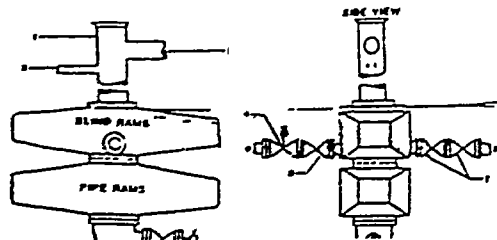
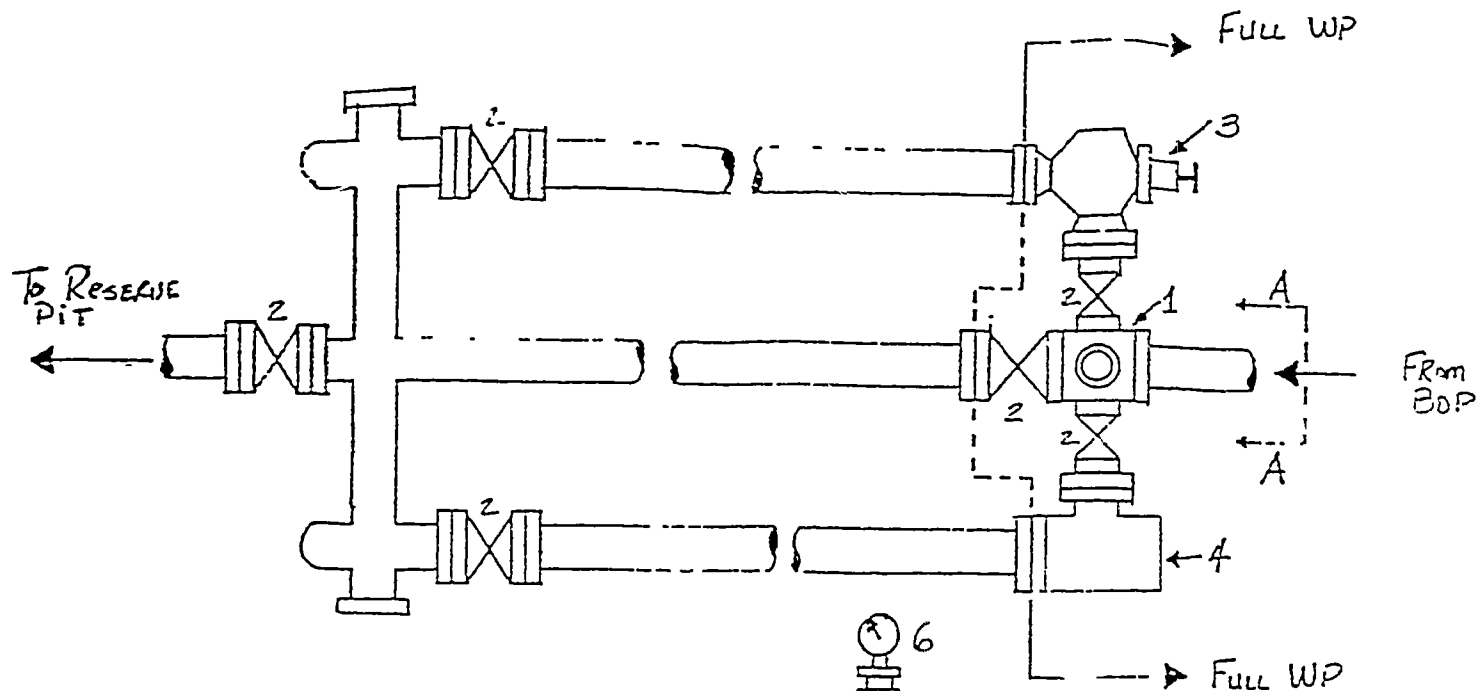


EXHIBIT "G"



VIEW A-A

- 1 Cross
- 2 Gate Valve
- 3 Adjustable Choke
- 4 Positive Choke
- 5 Welded Ball Plug, Lead Filled
- 6 2" - 1000 psi mud pressure gauge

notes All lines must be securely anchored



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P O Box 21017
Billings MT 59104

Office (406) 259 7860
FAX (406) 245 1365 1.1
FAX (406) 245 1361 60

September 2, 1993

RECEIVED

SEP 03 1993

DIVISION OF
OIL, GAS & MINING

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Gentlemen:

BALCRON Federal 24-44

Enclosed are archeology reports which are to be added as part of our Applications for Permit to Drill the wells on the attached list.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

CONFIDENTIAL

/rs

Enclosures

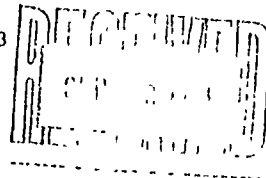
cc: Utah Division of Oil, Gas and Mining



ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

P O Box 853 Bountiful, Utah 84011-0853
Tel (801) 292-7061, 292-9668

August 27, 1993



Subject:

**CULTURAL RESOURCE EVALUATION OF SEVEN
PROPOSED WELL LOCATIONS IN THE MONUMENT
BUTTES LOCALITY OF DUCHESNE COUNTY, UTAH**

Project:

Balcron Oil -- 1993 Development

Project No.:

BLCR-93-4

Permit No.:

Dept of Interior -- U I-93-54937

RECEIVED

SEP 03 1993

DIVISION OF
OIL, GAS & MINING

State Project No: UT-93-AF-446b

To:

Ms Bobbi Schuman, Balcron Oil Division, P O Box 21017, Billings, Montana
59104

Mr David Little, District Manager, Bureau of Land Management, 170 South 500
East, Vernal, Utah 84078

Info:

Antiquities Section, Division of State History, 300 Rio Grande, Salt Lake City,
Utah 84101

unintentional

ABSTRACT

An intensive cultural resource evaluation has been conducted for Balcron Oil Company of seven proposed well locations situated on BLM administered lands located in the Monument Buttes locality of Duchesne County, Utah. This evaluation involved a total of 79.86 acres, of which 9.86 acres (.8 miles) include five separate access roads associated with units MF 42-1, MF 21-12, 14-12J, 24-12J and 24- Y. The remaining 70 acres involve 10 acre parcels at all seven of the proposed well locations. These evaluations were conducted by Glade Hadden of AERC on August 25 and 26, 1993.

No previously recorded significant or National Register eligible cultural resources will be adversely affected by the proposed developments.

No newly identified cultural resource activity loci were discovered during the examinations.

AERC recommends project clearance based on adherence to the stipulations noted in the final section of this report.

**CULTURAL RESOURCE EVALUATION
OF SEVEN PROPOSED WELL LOCATIONS
IN THE MONUMENT BUTTES
LOCALITY OF DUCHESNE COUNTY, UTAH**

Report Prepared for Balcron Oil Company

**Dept. of Interior Permit No.: UT-93-54937
AERC Project 1395 (BLCR-93-4)**

Utah State Project No.: UT-93-AF-446b

**Principal Investigator
F. Richard Hauck, Ph.D.**

**Author of the Report
Glade V Hadden**



**ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH
CORPORATION (AERC)**

**181 North 200 West, Suite 5
P.O. Box 853
Bountiful, Utah 84011-0853**

August 27, 1993

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Artifact Sketches	9
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LIST OF MAPS OF THE PROJECT AREA

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GENERAL INFORMATION

On August 25 and 26, 1993, AERC archaeologist Glade Hadden conducted an intensive cultural resource evaluation for Balcron Oil Company of Billings, Montana. This examination involved seven proposed well locations and associated access routes located in the Monument Buttes area south of Myton, Utah. Some .8 miles of access routes (9.86 acres) and seven - 10 acre well pads were examined. This project is situated in the Monument Buttes locality of Duchesne County, Utah. The entire project area is situated on federal lands administered by the Bureau of Land Management, Vernal District Office, Diamond Mountain Resource Area.

The purpose of the field study and this report is to identify and document cultural site presence and assess National Register potential significance relative to established criteria (cf., Title 36 CFR 60.6). The proposed developments on these well locations require archaeological evaluations in compliance with U.C.A. 9-8-404, the Federal Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended by P.L. 93-291, Section 106 of the National Historic Preservation Act of 1966-as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1979, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Bureau of Land Management Vernal District Office, and to the Utah State Antiquities Section. This work was done under U.S. Department of Interior Permit for Utah UT-93-54937 which expires on January 31, 1994.

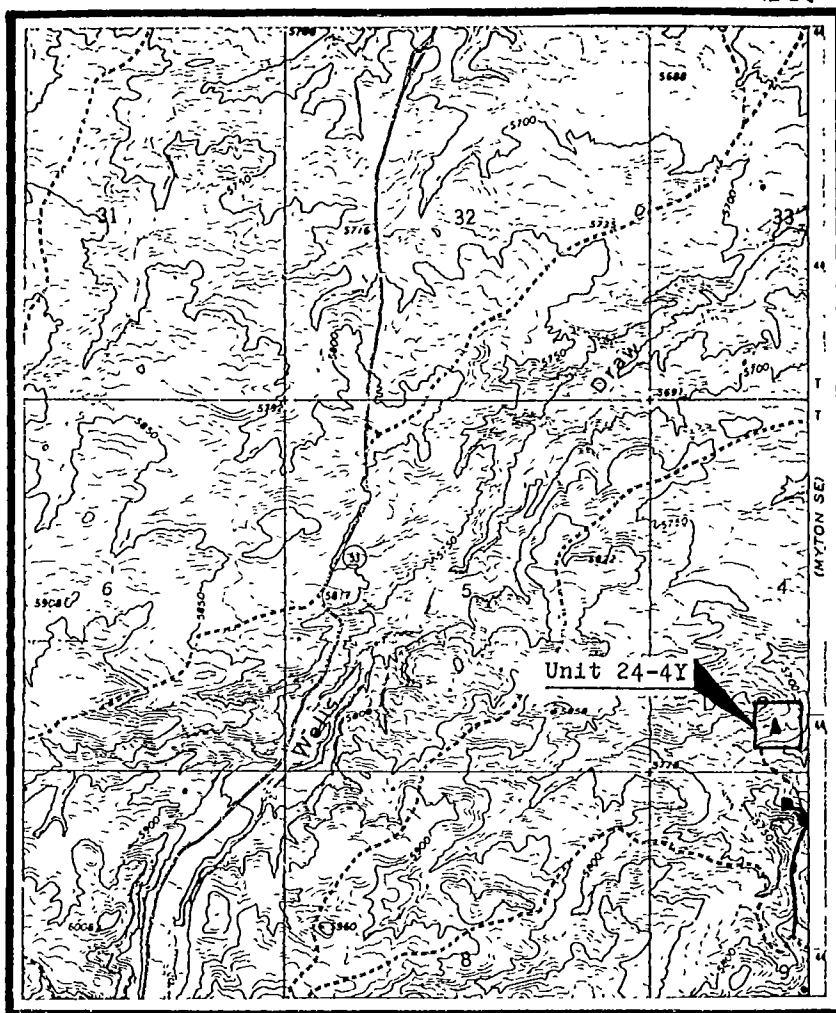
Project Location

The project location is in the Monument Buttes locality of Duchesne County, Utah. It is situated on the Myton SE and Myton SW 7.5 minute topographic quads.

Unit 24-4Y is situated in the SE - SW quarter of Section 4, Township 9 South, Range 16 East. Its access route extends ca. .25 mi. north from an existing well location (Balcron Unit 21-9Y) (See Map 1).

Unit 12-12J is in the SW - NW quarter of Section 12, Township 9 South, Range 16 East. This unit is accessible via an existing road which extends westerly from the main Monument Buttes road (See Map 2). The well location is directly adjacent this road, so no separate access route is necessary.

AERC



T. 9 South
R. 16 East
Meridian: SL
Quad: Myton SW
Utah

MAP 1
Cultural Resource Inventory
of Proposed Well Unit
24-4Y in the Monument
Buttes Locality, Duchesne C.

Legend:

Well Center
Stake

10 Acre Well
Pad

Access Route

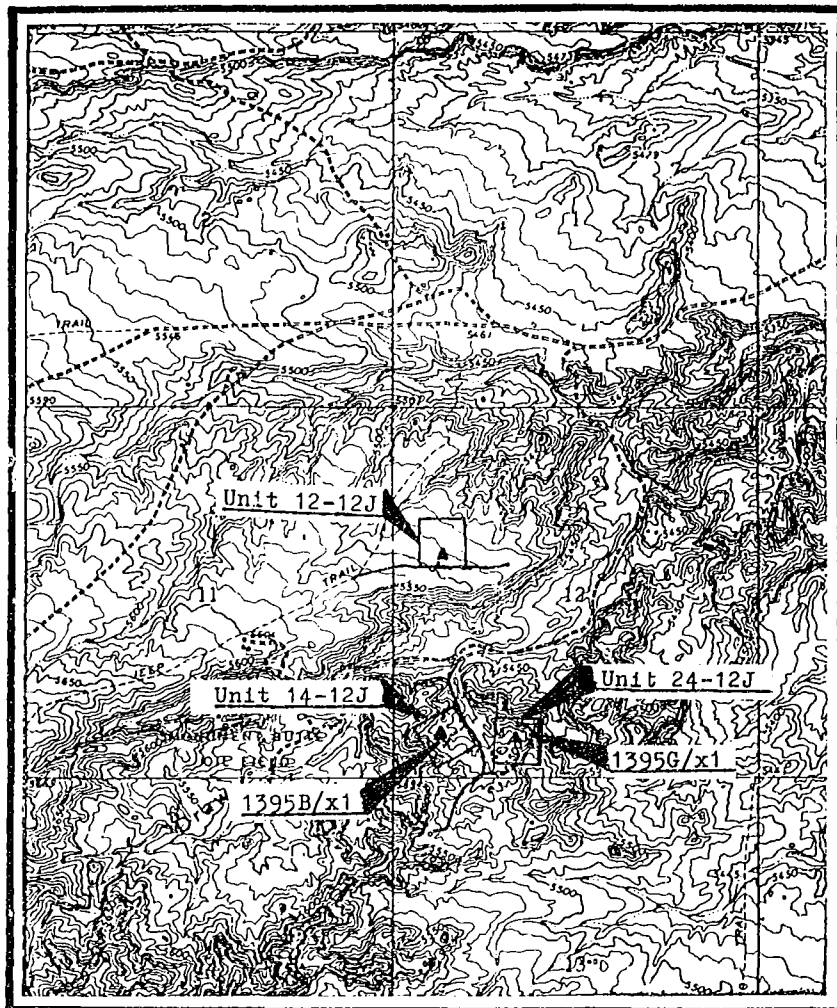
Existing
Road

4
N

Project: BICR-93-4
Series: Uinta Basin
Date: 8/30/93

Scale: 1:24,000





T. 9 South
R. 16 East
Meridian: SL
Quad: Myton SE
Utah

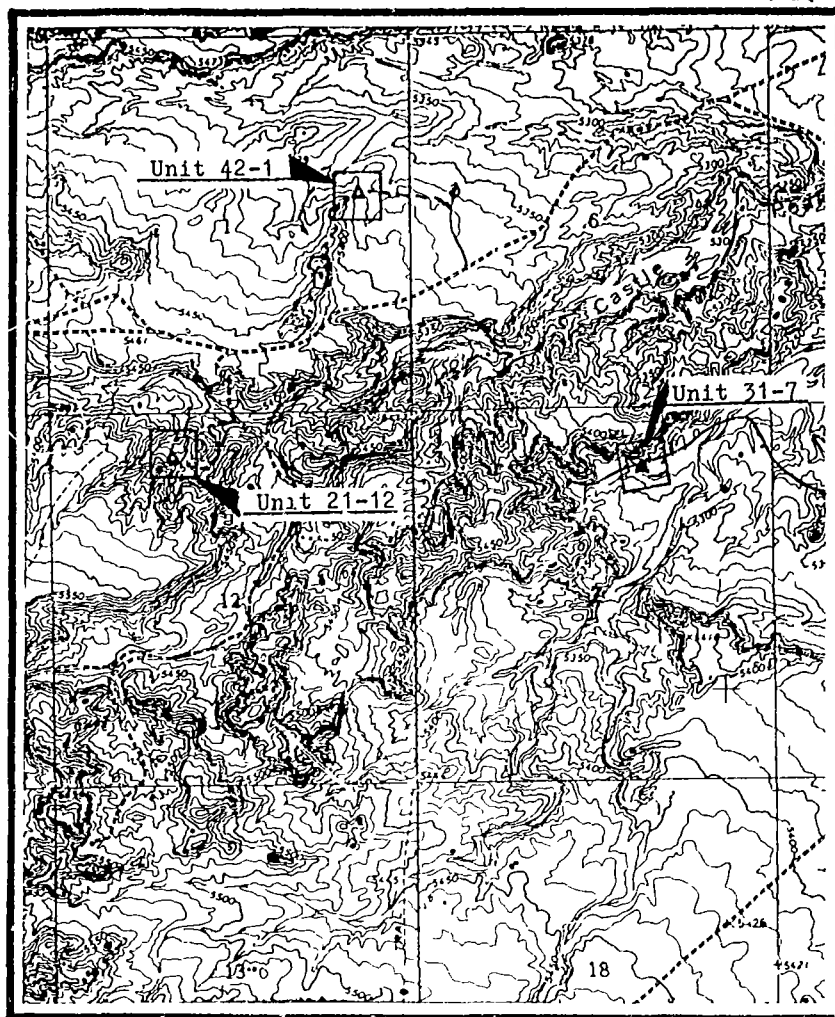
MAP 2
Cultural Resource Inventory
of Proposed Well Units
12-12J, 14-12J and 24-12J
Monument Buttes Locality

Legend:
Well Center Stake ▲
10 Acre Well Pad □
Access Route /
Existing Road {
Isolated Artifact X

4
N
Project: BLCR-93-4
Series: Uinta Basin
Date: 8/30/93
Scale: 1:24,000



ACR



T. 9 South
R 16 / 17 East
Meridian. SL
Quad: Myton SE
Utah

MAP 3
Cultural Resource Inventory
of Proposed Well Units
42-1, 31-7 and 21-12 in the
Monument Buttes Locality

Legend
Well Center Stake Δ
10 Acre Well Pad
Access Route
Existing Road

4
N

Project: BICR-93-4
Series: Uinta Basin
Date: 8/30/93

Scale. 1:24,000



Unit 14-12J is located in the SW - SW of the previous section (Section 12). This unit is reached via an existing road which runs south from the Castle Peak Draw / Monument Buttes Oil Field access road (See Map 2). A ca. 200 foot-long access route leads west from the spur road to the well location.

Unit 24-12J is situated in the SE - SW of the previous section (Sec. 12) along the same spur road which serves the previous unit (See Map 2). A ca. 400 foot access route leads northeasterly into this location.

Unit 42-1 is in the SE - NE quarter of Section 1 in the same township and range. This unit may be reached from a spur road leading north past the Balcon Plant in section one, just off the main Monument Buttes access road. From an existing well, the access route for this unit extends ca. 2 mi. to the west (See Map 3).

Unit 31-1 is located in the NW - NE quarter of Section 7, Township 9 South, Range 17 East. This unit lies directly adjacent to an existing road which runs northwesterly from the main Pariette Bench road located in Section 8 (See Map 3).

Unit 21-12 is situated in the NE - NW quarter of Section 12, Township 9 South, Range 16 East. From the Castle Peak Draw / Monument Buttes Oil Field road, a ca. 25 mi. access route runs west to connect with the well location (See Map 3).

Environmental Description.

The project area is within the 5400 to 5600 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lakebed surfaces are associated with the project area.

The vegetation in the project area includes *Chrysothamnus* spp., *Artemisia* spp., *Eriogonum* spp., *Sarcobatus vermiculatus*, *Ephedra viridis*, *Atriplex canescens*, and a variety of grasses.

The geological associations within the project area consist of fluvial and lake deposits which correlate with the Uinta Formation which is of Tertiary age.

PREVIOUS RESEARCH IN THE LOCALITY

File Search:

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on August 23, 1993. A similar search was conducted in the Vernal District Office of the BLM on August 25, 1993. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A variety of known cultural sites are situated in the Monument Buttes / Castle Peak Draw locality. Many of these prehistoric resources were identified and recorded by AERC during the Mapco River Bend survey (Norman and Hauck 1980). Other sites have been located and recorded by AERC and other archaeological consultants during oil and gas exploration inventories.

Prehistory and History of the Cultural Region

Currently available information indicates that the Northern Colorado Plateau Cultural Region has been occupied by a variety of cultures beginning perhaps as early as 10,000 B.C. These cultures, as identified by their material remains, demonstrate a cultural developmental process that begins with the earliest identified Paleoindian peoples (10,000 -- 7,000 B.C.) and extends through the Archaic (ca. 7,000 B.C. -- A.D. 300), and Formative (ca. A.D. 400 -- 1100) Stages, and the Late Prehistoric-Protohistoric periods (ca. A.D. 1200 -- 1850) to conclude in the Historic-Modern period which was initiated with the incursion of the Euro-American trapper, explorers, and settlers. Basically, each cultural stage -- with the exception of the Late Prehistoric hunting and gathering Shoshonean bands -- features a more complex life-way and social order than occurred during the earlier stage of development (Hauck 1991:53). For a more comprehensive treatment of the prehistory and history of this region see Archaeological Evaluations in the Northern Colorado Plateau Cultural Area (Hauck 1991).

Site Potential in the Project Development Zone

Previous archaeological evaluations in the general project area have resulted in the identification and recording of a variety of cultural resource sites having eligibility for potential nomination to the National Register of Historic Places (NRHP). The majority of these sites are lithic scatters containing cobble reduction materials. Many of these quarry sites are of the "Tap and Test" variety, and extend for tens or hundreds of meters. Open occupations are also frequently being identified in this locality. Sites associated with the open rangeland generally appear to have been occupied during the Middle Plains Archaic Stage with occasional indications of Paleoindian activity based on the recovery of isolated Plano style projectile points. The north-south drainage canyons appear to contain the majority of Late Prehistoric (Numa) sites probably because those canyon floors were transportation corridors and convenient pastures for the Ute horse herds. Evidence of Formative Stage occupation, i.e., Fremont, is rarely observed in the rangeland environment but is common within the Green River and White River canyons and their primary tributary canyons.

Site density in certain portions of the region appears to range from one to four sites per section. These densities increase in the canyon bottoms due to Ute rock art localities. Recent evaluations indicate that the site densities may reach 8 to 12 sites per section in certain localities on the upper benches which were apparently favored for hunting, lithic resource procurement, and camping. Prehistoric sites on the rangeland benches appear to be associated with water courses and aeolian deposits.

FIELD EVALUATIONS

Methodology

Intensive evaluations consisted of the archaeologist walking a series of 10 to 15 meter wide transects over a ten acre pad around each well location center stake. In addition, each access route was inventoried by the archaeologist walking a pair of 10 - 15 meter transects on each side of the flagged access route. Thus, a 35 meter-wide or 100 foot-wide corridor (ca 9.86 acres) was examined for the total ca 8 mile length of proposed access routes.

Observation of cultural materials results in intensive examinations to determine the nature of the resource (isolate or activity locus). The analysis of each specific cultural site results in its subsequently being sketched, photographed, and appropriately recorded on standard IMACS forms. Cultural sites are then evaluated for significance utilizing the standards described below and mitigation recommendations are considered as a means of preserving significant resources which may be situated within the development zone.

Site Significance Criteria

Prehistoric and historic cultural sites which can be considered as eligible for nomination to the National Register of Historic Places have been outlined as follows in the National Register's Criteria for Evaluation as established in Title 36 CFR 60.6:

The quality of significance in American archaeology and culture is present in sites that possess integrity of location, design, setting, materials, workmanship, feeling, and association and

- a. That are associated with events that have made a significant contribution to the broad patterns of our history, or
- b. that are associated with the lives of persons significant in our past, or
- c. that embody the distinctive characteristics of a type, period, or method of construction, or
- d. that have yielded, or may be likely to yield, information important in prehistory or history.

In addition to satisfying one or more of these general conditions, a significant cultural resource site in Utah will generally be considered as being eligible for inclusion in the National Register if it should advance our current state of knowledge relating to chronology, cultural relationships, origins, and cultural life ways of prehistoric or historic groups in the area.

In a final review of any site's cultural significance, the site must possess integrity and at least one of the above criteria to be considered eligible for nomination to the National Record of Historic Places.

Results of the Inventory:

No prehistoric cultural resource activity loci were observed or recorded during the archaeological evaluations. No diagnostic tools or buried deposits were found within this site.

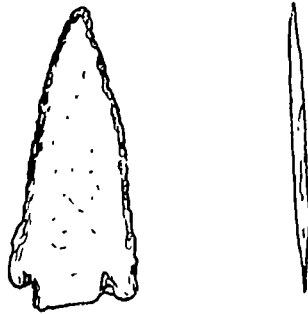
No previously recorded sites are located within the proposed development zones.

No significant or National Register sites were noted or recorded during the survey.

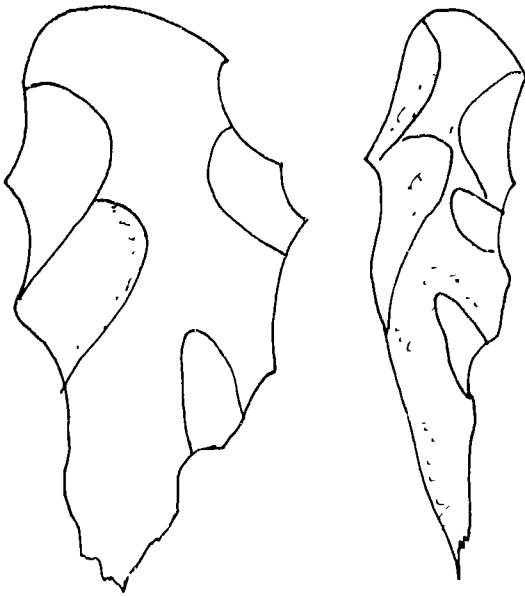
A number of isolated artifacts were observed or collected during the survey. A single corner notched projectile point (1395B/x1) was recovered by BLM archaeologist Blaine Phillips from near the well center stake of unit 14-12J during the initial reconnaissance of the well location. No other artifacts were noted at this location. At well unit 24-12J, an isolated exhausted core (1395G/x1) was observed on the ridge overlooking the well location. No other artifacts were noted in the vicinity. Two additional isolated artifacts were noted in the access road to unit 42-1. These finds consisted of two pieces of lithic debitage from a similar material source. Since both flakes were found in the bottom of an ephemeral drainage channel, and since no other artifacts could be located nearby, it is probably that these flakes are in a disturbed secondary context, having been transported to their present position by water action.

No paleontological loci were observed or recorded during the evaluations.

Isolated Artifact
1395B/x1



Isolated Artifact
1395G/x1

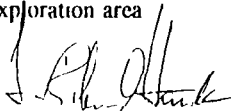


CONCLUSION AND RECOMMENDATIONS

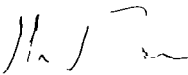
No known significant cultural or paleontological resources will be adversely impacted during the development and operation of the Balcron Oil Company well locations evaluated during this project

AERC recommends that a cultural resource clearance be granted to Balcron Oil Company relative to the developments proposed on these well locations based upon adherence to the following stipulations

- 1 All vehicular traffic, personnel movement, construction and restoration operations should be confined to the flagged areas and corridors examined as referenced in this report, and to the existing roadways and/or evaluated access routes
- 2 All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area
- 3 The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area



F. Richard Hauck, Ph D
President and Principal
Investigator



Glade V Hadden
Field Supervisor

REFERENCES

Hauck, F Richard

- 1991 Archaeological Evaluations on the Northern Colorado Plateau Cultural Area, AERC Paper No. 45, Archeological Environmental Research Corporation, Bountiful

Norman, V Garth and F R Hauck

- 1980 Final Report on the Mapco River Bend Cultural Mitigation Study. AERC Paper No. 18, of the Archeological-Environmental Research Corporation, Bountiful

Report Acceptable Yes ☐ No ☐

Mitigation Acceptable Yes ☐ No ☐

Summary Report of
Inspection for Cultural Resources

Comments: _____

SEVEN WELL LOCATIONS IN THE

MONUMENT BUTTES LOCALITY

1. Report Title

Balcron Oil Company (BLCR-93-4)

2. Development Company _____

08 27 1993

UT-92-54937

3. Report Date 4. Antiquities Permit No. _____

AERC BLCR 93-4 Date

5. Responsible Institution County _____

6. Fieldwork 9 S 1 7 E 0 7

Location: TWN RNG Section. . . | . . | . . | . . |

7. Resource 9 S 1 6 E 0 1 0 4 1 2

Area TWN RNG Section. . . | . . | . . | . . |

.S M.

8. Description of Examination Procedures: The archeologist, Glade V Hadden intensively examined the proposed well locations by walking a series of 10 to 20 meter-wide transects across the ten acre study areas associated with each well pad and by walking paired 10 to 20 meter transects in a 100 foot-wide corridor centered on the flagged center-line stakes for each access route.

9. Linear Miles Surveyed 10. Inventory Type . .

and/or

Definable Acres Surveyed R = Reconnaissance

and/or

I = Intensive

Legally Undefinable 7 9 . 8 6 S = Statistical Sample

Acres Surveyed

11. Description of Findings: 12. Number Sites Found .0.

No significant or non-significant
archaeological sites were identified
or recorded during this survey.

(No sites = 0)

Three sets of isolated artifacts were
observed, of which one was collected.

13. Collection: .Y.

Y = Yes, N = No)

14. Actual/Potential National Register Properties Affected:

The National Register of Historic Places (NRHP) has been consulted and no registered properties will be affected by the proposed development.

15. Literature Search. Location/ Date: Utah SHPO 8-23-93 Vernal BLM 8-25-93

16. Conclusion/ Recommendations:

AERC recommends that a cultural resource clearance be granted to Balcron Oil Company for this proposed development based on the following stipulations:
(see reverse)

1. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the existing roadways and/or evaluated access routes.

2. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.

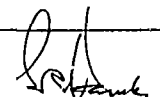
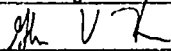
3. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.

17. Signature of Administrator
& Field Supervisor

UT 8100-3 (2/85)

Administrator

Field
Supervisor

MONUMENT BUTTE DRILLING PROGRAM

SIXTH BATCH

Balcron Federal #24-4Y

SE SW Section 4, T9S, R16E
Duchesne County, Utah
710' FSL, 2031' FWL
FLS #U-64379
PTD: 6,175'
GL 5,714.3'

CONFIDENTIAL

Balcron Monument Federal #12-12J

SW NW Section 12, T9S, R16E
Duchesne County, Utah
1980' FNL, 660' FWL
FLS #U-096550
PTD: 5,800'
GL 5,542.8'

Balcron Monument Federal #14-12J

SW SW Section 12, T9S, R16E
Duchesne County, Utah
660' FSL, 660' FWL
FLS #U-035521-A
PTD: 5,750'
GL 5,487.5'

Balcron Monument Federal #24-12J

SE SW Section 12, T9S, R16E
Duchesne County, Utah
539' FSL, 1777' FWL
FLS #U-035521-A
PTD: 5,700'
GL 5,495.5'

Balcron Monument Federal #42-1J

SE NE Section 1, T9S, R16E
Duchesne County, Utah
2087.2' FNL, 692.4' FEL
FLS #U-40652
PTD: 5,850'
GL 5,380.3'

42-013-31404

Balcron Monument Federal #21-12J

NE NW Section 12, T9S, R16E
Duchesne County, Utah
661.4' FNL, 1779.8' FWL
FLS #U-096550
PTD: 5,800'
GL 5,448.9'

43-013-31406

Balcron Monument Federal #31-7J

NW NE Section 7, T9S, R17E
Duchesne County, Utah
831.18' FNL, 1782.38' FEL
FLS #U-44426
PTD: 5,700'
GL 5,298.5'

43-013-31405

CONFIDENTIAL

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 09/13/93

API NO. ASSIGNED: 43-013-31412

WELL NAME: BALCRON FEDERAL 24-4Y
OPERATOR: EQUITABLE RESOURCES (N9890)

PROPOSED LOCATION:

SESW 04 - T09S - R16E
SURFACE: 0710-FSL-2031-FWL
BOTTOM: 0710-FSL-2031-FWL
DUCHESE COUNTY
MONUMENT BUTTE FIELD (105)

LEASE TYPE: FED
LEASE NUMBER: U-64379

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

✓ Plat
✓ Bond FEDERAL
(Number 5547155)
H Potash (Y/N)
N Oil shale (Y/N)
✓ Water permit
(Number SEE BELOW)
N RDCC Review (Y/N)
(Date: _____)

LOCATION AND SITING:

✓ R649-2-3. Unit: SEE BELOW

✓ R649-3-2. General.

____ R649-3-3. Exception.

____ Drilling Unit.

Board Cause no: _____

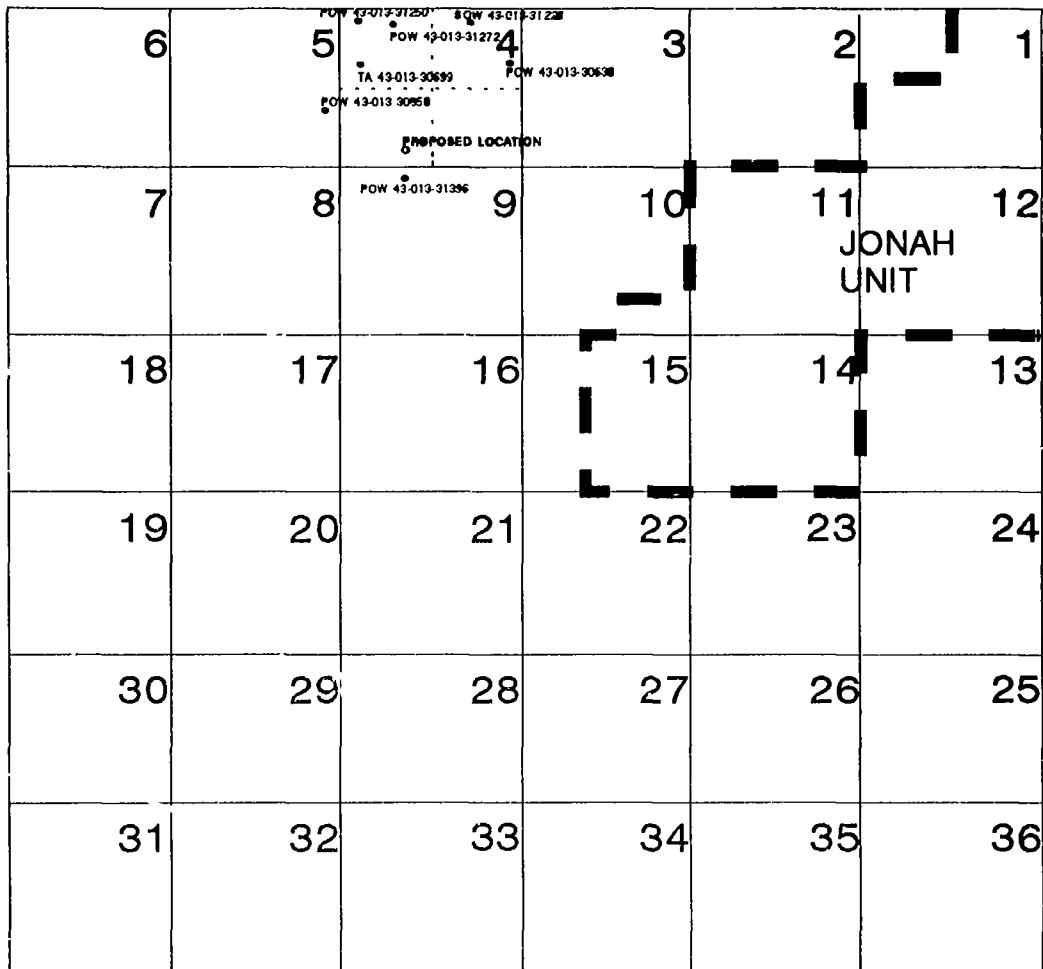
Date: _____

COMMENTS: WHERE PERMIT WILL BE SIGNED & SIGNED
NO-ICE BEFORE SIGN NOT PART OF THE FINAL UNIT
NO CHASE NUMBERS

STIPULATIONS: _____

cc: Duchess County Assessor -
Bureau of Land Management, Vernal

WELL SPACING FOR PROPOSED LOCATION BALCRON FED. 24-4Y





State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Trade Center, Suite 350
Salt Lake City, Utah 84100-1203
(801) 538-5340
(801) 538-3940 (fax)
(801) 538-5319 (TDD)

September 20, 1993

Equitable Resources Energy Company
P O Box 21017
Billings, Montana 59104

Re Balcron Federal #24-4Y Well, 710' FSL, 2031' FWL, SE SW, Sec 4, T 9 S,
R 16 E, Duchesne County, Utah

Gentlemen

Pursuant to Utah Admin. R. 649-3-2, Location and Siting of Wells and Utah Admin. R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill the referenced well is hereby granted

In addition, the following specific actions are necessary to fully comply with this approval

- 1 Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules
- 2 Notification within 24 hours after commencing drilling operations
- 3 Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change
- 4 Submittal of the Report of Water Encountered During Drilling, Form 7
- 5 Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or R.J. Firth, Associate Director, (Home) (801)571-6068
- 6 Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production

Page 2

Equitable Resources Energy Company
Balcon Federal #24-4Y Well
September 20, 1993

Trash and sanitary waste should be properly contained and transported to approved disposal locations, not retained in or disposed of in pits on location or downhole. Prior to the commencement of drilling operations, the operator should consult the local/county sanitarian and/or the Department of Environmental Quality, Division of Drinking Water/Sanitation, regarding appropriate disposal of sanitary waste.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-013-31412.

Sincerely,

A handwritten signature in black ink, appearing to read "R.J. Firth", written over a horizontal line.

R.J. Firth
Associate Director, Oil and Gas

ldc

Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal

WO11

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1 Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2 Name of Operator

Equitable Resources Energy Company, Balcon Oil Division

3 Address and Telephone No

P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4 Location of Well (Forage Sec., T., R., M. or Survey Description)

See attached listing

FORM APPROVED

Budget Bureau No. 1004-0135

Expires March 31 1993

5 Lease Designation and Serial No

See attached listing

6 If Indian, Alliance or Tribe Name

n/a

7 If Unit or C.A. Agreement Designation

See attached listing

8 Well Name and No

See attached listing

9 API Well No

See attached listing

10 Field and Pool, or Exploratory Area

See attached listing*

11 County or Parish, State

See attached listing

12 CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other change in cement program
☐ Change of Plans
☐ New Construction
☐ Non-Reservoir Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of well placement on Well Completion or Recompletion Report and Log form.)

13 Describe Proposed or Completed Operations (Clearly state all pertinent details and give pertinent data, including estimated date of starting any proposed work. If well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

*Formation (pool): Green River

Production cement program on wells on the attached listing will be changed as follows:

250 sacks Western Super "G" consisting of 47 #/sack "G", 20 #/sack Poz A, 17 #/sack CSE, 3% salt, 2% gel and 2 #/sack Hi-seal 2. (Yield = 2.76 Cu.Ft./Sk, Weight = 11.08 PPG). Tailed with 300 sacks 50-50 Poz with 2% Gel, 1/4 #/sack Cello-seal and 2 #/sack Hi-seal. (Yield = 1.24 Cu.Ft./Sk, Weight = 14.30 PPG).

a.) Actual cement volumes will be determined using caliper log.

b.) Cement top will be at approximate depth as specified in the Conditions of Approval in the Application for Permit to Drill.

The cement program is being changed to improve cement bond quality and improve compressive strength in the lead slurry

14 I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman

Regulatory and

Title Environmental SpecialistDate 8-10-94

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any

Title _____

Date _____



**EQUITABLE RESOURCES
ENERGY COMPANY**

BALCRON OIL DIVISION

1601 Lewis Avenue
P O Box 21017
Billings MT 59104

CONFIDENTIAL

Office (406) 259 7860
FAX (406) 245 1365 ☐
FAX (406) 245 1361 ☒

August 11, 1994

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

BALCRON Federal 74-7y

Sec 4 T9S R16E

Gentlemen:

73-013-31412

Enclosed is a sundry notice reporting an intended change in the cement program for the production casing (long-string) on the wells on the enclosed list. The wells have been broken down by three categories:

- wells on which we have approved APDs but have not yet drilled
- wells on which we do not yet have approved APDS but APDs have been submitted
- wells on which we have approved State APDs but not yet approved Federal APDs

Please consider this change in cement program as a part of our APDs.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Regulatory and Environmental Specialist

/hs

Enclosures

cc: Utah Division of Oil, Gas and Mining
Al Plunkett

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

OIL, GAS & MINING

3. LEASE DESIGNATION & REFERENCE
Federal #U-643796. IF INDIAN, ALLOTTEE OR TRIBE NAME
n/a

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. UNIT AGREEMENT NAME n/a
2. NAME OF OPERATOR Equitable Resources Energy Company, Balcron Oil Division	8. FARM OR LEASE NAME Balcron Federal
3. ADDRESS OF OPERATOR P.O. Box 21017; Billings, MT 59104	9. WELL NO. #24-4Y
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface SE SW Section 4, T9S, R16E 710' FSL, 2031' FWL	10. FIELD AND POOL, OR WILDCAT Monument Butte/Green River
	11. SEC., T., R., AL., OR BLK. AND SURVEY OR AREA Sec. 4, T9S, R16E
14. API NO. 43013-31412	15. ELEVATIONS (Show whether OF, RT, GR, etc.)
	12. COUNTY
	13. STATE

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐

(Other)

PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON ☐CHANGE PLANS ☐APD extension ☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐

(Other)

REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log (ctin).)

APPROX. DATE WORK WILL START

DATE OF COMPLETION

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

The Application for Permit to Drill (APD) this well expires 9/19/94. We hereby request a one-year extension of that APD.

8/29/94
Matthews

18. I hereby certify that the foregoing is true and correct

SIGNED

Robbie Schuman

TITLE

Regulatory and
Environmental Specialist

DATE

8-24-94

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

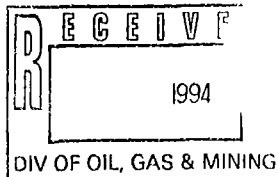
1 Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5 Lease Designation and Serial No U-64379
2 Name of Operator Equitable Resources Energy Company, Balcron Oil Division	6 If Indian, Alliance or Tribe Name n/a
3 Address and Telephone No P.O. Box 21017; Billings, MT 59104 (406) 259-7860	7 If Unit or CA, Agreement Designation n/a
4 Location of Well (Footing, Sec., T., R., M., or Survey Description) SE SW Section 4, T9S, R16E 710' FSL, 2031' FWL	8 Well Name and No Balcron Federal #24-4Y
	9 API Well No 43-013-31412
	10 Field and Pool or Exploratory Area Monument Butte/Green River
	11 County or Parish State Duchesne County, UTAH

12 CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>APD extension</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

13 Describe Proposed or Completed Operations (Clearly state all pertinent details and give pertinent dates including estimated date of starting any proposed work. If well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The Application for Permit to Drill (APD) this well expires 10/26/94. We hereby request a one-year extension of that APD.



VERNAL DIST
DATE 6/24/94
GEOLOGICAL
E3
PLT
A.M.

14 I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman Title Regulatory and Environmental Specialist Date 8-24-94

(This space for use of State official only)

Approved by Edward B. Cleavage Title ASSISTANT SECRETARY FOR MINING Date AUG 31 1994

Conditions of approval, if any

THE TONGUE AND FROG ATTACHED TO OFFICE COPY

Title 18 U.S.C. Section 1001 makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

12/1/95

DRF



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal District Office
170 South 500 East
Vernal Utah 84078 2799

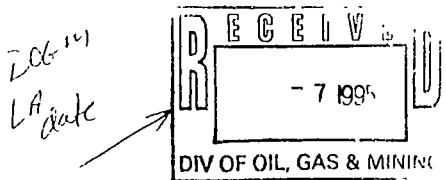
Phone (801) 781 1400
Fax (801) 781 1110

INITIALLY REFER TO

3162
UT08438

November 29 1995

Equitable Resources Energy Company
Attn Bobbie Schuman
P O Box 21017
Billings MT 59104



Re Notification of Expiration
Well Balcron Fed 24-4Y
Section 4, T9S, R16E
Lease No U-64379
Duchesne County, Utah

43-013-31412

Dear Ms Schuman

The Application for Permit to Drill the above-referenced well was approved on October 26 1993. Equitable Resources Energy Company requested an extension of the original APD approval for an additional year. The request was reviewed and the extension approved until October 26, 1995. According to our records, no known activity has transpired at the approved location. In view of the foregoing, this office is notifying you the approval of the referenced application has expired. If you intend to drill at this location at a future date, a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

Margie Herrmann
Legal Instruments Examiner

cc State Div OG&M